

RADIOFREQUENCY UNIT

ABSTRACT

A radiofrequency unit comprising a first dielectric substrate supporting a first
conductive antenna layer; a second dielectric substrate supporting circuit elements connected
or coupled to ground formed in a second conductive layer, and comprising a radiofrequency
antenna line; and a third screen conductive layer arranged between the first and second
5 substrates, provided with a slot to couple the antenna line to the antenna layer, this
conductive layer being floating; in which the thickness and the nature of the second substrate
are chosen by taking into account the surface of said circuit elements for the screen layer to
be coupled to ground by a capacitor forming a short-circuit for radiofrequencies.